BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Division

Comparitive Statement

Name of Work: Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)

Estimate Amount:- 21,35,00,000.00

Name of Contractor:- Sri K.venkataraju Banglore

Approved amount:- 18,75,33,695.00

Tender premium:- 0.55%

Sl. No.	Description of Work	Unit	Qty as per Schedule			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty	Rates	Amount	Qty	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Removing and Resetting of Footpath tiles and pitching in C.M (1:3) (Dismantled Item)	Sqm	6357.46	259.93	1652517.00	9383.64	7946.83	259.93	2065648.00	1436.81	259.93	373506.00	9383.64	2439823.00	786655.00	0.00	
2	Earth work excavation by manual means for drains,canals, waste weir, shaft, approach channels, fish ponders, foundation of bridges and such similar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, shutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed dispersing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work.Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Basic/Moorum /Gravel/Laterite	Cum	12902.28	336.25	4338404.00	9123.77	9123.77	336.25	3067908.00	0.00	336.25	0.00	9123.77	3067908.00	0.00	1270496.00	
3	Providing and laying in position plain cement concrete for leveling course for all works in foundation. The granite/quartz/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates	Cum	1911.91	6362.29	12164124.00	3269.01	1269.01	6362.29	8073827.00	0.00	6362.29	0.00	1269.01	8073827.00	0.00	4090296.00	
4	KSRRB 04/2004, Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, bending, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (lap, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. IRC/BIS Specification No.1786 & 1200 Delf Bars	Tonne	138.64	114292.25	15847707.00	90.61	90.61	114292.25	10356617.00	0.00	114292.25	0.00	90.61	10356617.00	0.00	5491740.00	
5	Providing and laying in position Reinforced cement concrete for all Sub structures of building, irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.5Mtr to 3.5M in height. The granite/quartz/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with water proofers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, conforming to the requirements of relevant IS codes, labour, usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	2227.53	7265.75	16187975.00	1433.12	1433.12	7265.75	10412668.00	0.00	7265.75	0.00	1433.12	10412668.00	0.00	5774307.00	

Sl. No.	Description of Work	Unit	Qty as per Schedule			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		
			Qty.	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty.	Amount	Excess
1	2	3	7	8	9	10	11	12	13	14	15	16	17	18	19
6	Providing and laying precast reinforced cement concrete covering slabs of 125cm thick made of M30 with OPC cement,with 20mm and down size graded granite metal coarse aggregate @0.70 cft/sqft, including vibrating and removing centering, shuttering, shutting gripping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery (only including cost of reinforcement etc., complete as directed by the	Sqm	1431.83	2083.49	1548412.00	5466.80	5466.80	2083.49	11390028.00	0.00	2083.49	0.00	5466.80	11390028.00	0.00
7	Providing and fixing RCC precast cover slab of 200mm thick for drain in cement concrete M30 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer incharge (Data Rate)	Sqm	424.30	5064.93	2098603.00	163.41	162.41	5064.93	822587.00	0.00	5064.93	0.00	163.41	822587.00	0.00	
8	Providing and laying in position plain cement concrete for leveling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications, M.s 1:3:6 (M10 Using 20 mm nominal size graded crushed coarse aggregate	Cum	230.72	8554.73	1972851.00	98.29	98.29	8554.73	840773.00	0.00	8554.73	0.00	98.29	840773.00	0.00	868
9	Providing and fixing pre cast solid cement concrete kerb stone made out of M25 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing curing including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete as directed by the Engineer in Charge of the work (Approved Rate)	Nos	17472.00	509.81	8907424.00	10850.00	10850.00	509.81	5531463.00	0.00	509.81	0.00	10850.00	5531463.00	0.00	6375912.
10	Fairing two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces	Sqm	4031.60	94.03	379009.00	1759.03	1759.03	94.03	165382.00	0.00	94.03	0.00	1759.03	165382.00	0.00	214227.00
11	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work (	Cum	9088.13	71.90	581908.00	12870.94	10110.13	71.90	726885.00	2760.81	71.90	198492.23	12870.94	925377.23	343469.23	0.00
12	Construction of Granular Sub Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 404	Cum	4243.82	2596.02	11013523.00	5934.58	5304.78	2596.02	13771279.00	289.90	2596.02	752593.29	5594.68	14523871.29	5938843.29	0.00
13	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density	Cum	5609.00	2648.00	14852843.00	7984.29	7011.25	2648.00	18565606.00	973.04	2648.00	2576631.64	7984.29	21142237.64	6289393.64	0.00
14	Providing and applying primer coat with SC grade bitumen emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 1.30 kg per m2 using mechanical means.	Sqm	31872.27	43.67	1391972.00	34668.18	34668.18	43.67	1687244.00	0.00	43.67	0.00	34668.18	1687244.00	295272.00	0

No.	Description of Work	Unit	Qty as per Schedule			Total (as Executed)	Qty as per Actuals upto 125%			Qty as per Actuals above 125%			Total		Difference	
			Qty	Rates	Amount		Qty	Rates	Amount	Qty	Rates	Amount	Qty	Amount	Excess	Savings
1	2	3	7	8	9	10	11	12	13	14	15	16	17	18	19	20
19	Providing and applying tack coat with RS2 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical brooms	Sqm	74099.72	13.27	1018593.00	74099.72	74099.72	13.27	983540.00	0.00	13.27	0.00	74099.72	983540.00	0.00	35399.00
20	Providing and laying Dense Graded Bituminous Macadam with 60/90 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.	Cum	2041.07	10935.22	22321560.00	2344.67	2344.67	10935.22	25646566.00	0.00	10935.22	0.00	2344.67	25646566.00	3320895.00	0.00
21	Providing and laying Bituminous Concrete with 60/90 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.0 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 507 complete in all respects.	Cum	2501.23	12754.44	31901789.00	3002.42	3002.42	12754.44	38294137.00	0.00	12754.44	0.00	3002.42	38294137.00	6392348.00	0.00
22	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35-2015.The finished surface to be level, uniform and free from streaks and holes.	Sqm	3411.79	528.72	1276184.00	2756.23	2756.23	528.72	1457262.00	0.00	528.72	0.00	2756.23	1457262.00	181156.00	0.00
23	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stack piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately.	Cum	338.44	466.77	186003.00	493.55	493.55	466.77	230379.00	0.00	466.77	0.00	493.55	230379.00	44376.00	0.00
24	Providing and laying in position plain cement concrete for leveling course for all works in foundation. The granite/rap/basalt crushed graded coarse aggregate and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators including all lead & lifts, cost of all materials of quality, labour charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:5:10 Using 40 mm nominal size graded crushed coarse	Cum	477.78	5329.55	2829478.00	357.09	357.09	5503.95	1965406.00	0.00	5503.95	0.00	357.09	1965406.00	0.00	864272.00
25	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M20 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (over channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, primer, sealant, curing of concrete slabs for 14- days, and water flooding to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete, as per the directions of the Engineer in charge of the work.	Cum	477.78	7562.41	3613169.00	357.09	357.09	7562.41	2700481.00	0.00	7562.41	0.00	357.09	2700481.00	0.00	912708.00

No.	Description of Work	Unit	Qty as per Scheduled			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty.	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty.	Amount	Excess	Saving	
1	2	3	7	8	9	10	11	12	13	14	15	16	30	17	18	19	20
22	Providing and laying heavy duty cabro stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 280 kg per cm2 over 60mm thick sand bed (average thickness) and compacting with plate vibrator having 2 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials labour and usage charges	Sqm	5044.85	1252.33	6065578.00	3953.57	2959.57	1252.33	3551168.00	0.00	1252.33	0.00	3959.57	3551168.00	0.00	2514407.00	
23	Cost of Haulage Excluding Loading and Unloading Taking Payment (D) load and lead (D km = 100 km	Ltkm	27704.65	106.19	2942834.00	29513.25	29513.25	106.19	3135083.00	0.00	106.19	0.00	29513.25	3135083.00	192047.00	0.00	
24	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or leveling the excavated earth as soiling & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work Depth exceeding 1.5 m, but not exceeding 3 (Ir-/ Page No 8, Item No. 8.35.2 of PWD SR 2021-22)	Cum	350.55	353.95	124060.00	252.76	252.76	353.95	89466.00	0.00	353.95	0.00	252.76	89466.00	0.00	34594.00	
25	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trachyte/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers but in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality conforming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately(M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates)	Cum	88.21	7647.02	674529.00	122.70	104.01	7947.02	795386.00	19.68	7647.02	150519.56	123.70	945905.56	309586.56	0.00	
26	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of Bridges upto 3.50 m height. The granite/ kisii/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers but in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality conforming to the requirements of relevant IS code) labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately)M30 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	70.44	7873.33	554755.00	11.96	11.96	7873.33	94126.00	0.00	7873.33	0.00	11.96	94126.00	0.00	460629.00	
27	Providing Site Stone masonry with hard stone in foundation & plinth with Cement mortar (1:6) cement : 6 coarse sand)	Cum	123.31	5997.27	739324.00	156.61	134.14	5997.27	934405.00	2.47	3997.27	14840.25	156.61	939245.25	199721.25	0.00	
28	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 25cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	480.00	225.64	108313.00	516.60	516.60	225.64	71439.00	0.00	225.64	0.00	516.60	71439.00	0.00	37074.00	
29	Providing Thermo-Mechanically Treated bars of grade Fe 500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members wherever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and weldges shall not be measured separately)	Kgs	18574.33	117.25	2990182.00	10458.94	10458.94	117.25	1226276.00	0.00	117.25	0.00	10458.94	1226276.00	0.00	763906.00	

Sl. No.	Description of Work	Unit	Qty as per Schedule			Total Qty Executed	Qty. as per Actuals upto 12%			Qty. as per Actuals above 12%			Total		Difference		Annexure
			Qty	Rates	Amount		Qty	Rates	Amount	Qty	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	17	17	18	19	20
10	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	557.06	1329.53	740629.00	559.07	859.07	1329.53	477285.00	0.00	1329.53	0.00	559.07	477285.00	0.00	263234.00	
11	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per	Sqm	24.45	1046.37	25584.00	278.66	20.16	1046.37	21880.00	248.10	1046.37	259601.85	278.66	285481.85	285997.85	0.00	
12	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Sunja/Sunken portion of WC/Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.0kg per m2 to achieve final DFT any thin thickness of 2mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geotextile over the waterproofing membrane. The finished cost to include surface preparation, making coving at junction, Bore hacking, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer in charge.	Sqm	283.83	824.04	233905.00	990.10	354.81	824.04	292382.00	35.29	824.04	29078.46	990.10	1254460.46	977155.46	0.00	
13	Providing frame wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster grooves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.	Sqm	4.86	99983.83	485921.00	10.47	6.08	99983.83	607401.00	4.39	99983.83	438918.40	10.47	1046320.40	560408.40	0.00	
14	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for insertion for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal pakning two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m, including cost of materials, labour charges, complete as per specifications.	Nos	7.00	1642.56	11498.00	15.00	9.00	1642.56	14784.00	6.00	1642.56	9855.35	15.00	24639.35	13141.35	0.00	
15	Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemically treated hard wood battens and internal frame with minimum 45 mm wide wooden frame shutter covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door using liquid phenol formaldehyde resin as per IS specifications 1202 (part-I) 1991 from manufacturer complete as per specification. 30 mm thick (with side comments)	Sqm	98.28	2917.89	286771.00	27.12	77.12	2917.89	79134.00	0.00	2917.89	0.00	27.12	79134.00	0.00	207637.00	

No.	Description of Work	Unit	Qty as per Schedule/B			Total Qty Executed	Qty. as per Actuals upto 15%			Qty. as per Actuals above 15%			Total		Difference		Remarks
			Qty.	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty.	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
36	Providing & fixing of 2-track x 2 panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6 PHR with TPE (Thermo Plastic Elastomer) and lead free, glabal grey color having covered drainage and reinforced with Galvanized iron profile throughout. The window frame, The outer frame having an overall size of 44mm width x 63mmheight with reinforcement of 1mm thickness and Sash with overall size of 27mm X 63mm with UPVC honeycomb structure made in lieu of CI reinforcement. Casemodel Glazing bead for fixing of glass shall be of size 9.5mm x 22.5mm. Windows shall be provided with 5mm plain float glass, Stainless hardware's, single point locking system with Crescent Locks. Wall thickness of frame & sash shall be of 2 mm.Maximum possible size – 1219mm x 1219mm. (The cost is included of all fixtures and separate charges for mono TEPS shall not be made)	Sqm	15.20	4550.50	116673.00	21.96	21.96	4550.50	999.29.00	0.00	4550.50	0.00	21.96	999.29.00	0.00	16744.00	
37	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Cost is inclusive welding.	Sqm	529.20	144.90	76681.00	649.32	649.32	144.90	94088.00	0.00	144.90	0.00	649.32	94088.00	17405.00	0.00	
38	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including painting a priming coat of approved steel primer using M.S. angle 40x40x6 mm for diagonal braces including cost of materials, labour, usage charges of machines complete as per specifications and as per directions of the Engineer-in-Charge.	Sqm	9.45	4048.33	38257.00	17.05	11.91	4048.33	47521.00	5.20	4048.33	21041.20	17.01	68562.20	30605.20	0.00	
39	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, pointing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge	Sqm	771.70	279.84	215855.00	1004.21	964.63	279.84	269944.00	39.59	279.84	11078.43	1004.21	281022.43	65067.43	0.00	
40	Providing 20 mm cement plaster of mix 1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, pointing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge	Sqm	765.22	339.57	259848.00	589.08	589.08	339.57	200035.00	0.00	339.57	0.00	589.08	200035.00	0.00	59813.00	
41	Providing and laying flooring and skirting fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:1 over existing cement concrete bed including cost of materials, mortar, labour, curing complete as per specifications.	Sqm	228.09	1655.75	601731.00	323.59	285.11	1655.75	757180.00	38.48	1655.75	102181.31	323.59	859361.31	257630.31	0.00	
42	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 13712, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete.	Sqm	58.27	855.02	52722.00	24.75	24.75	855.02	21162.00	0.00	855.02	0.00	24.75	21162.00	0.00	11546.00	
43	Providing skirting, dadowing, risers of steps with white glazed tile, 8mm thick on 12mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications.	Sqm	61.81	2171.27	134260.00	55.57	55.57	2171.27	120658.00	0.00	2171.27	0.00	55.57	120658.00	0.00	13352.00	

No.	Description of Work	Unit	Qty as per Schedule/AR			Specify Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Amount	Excess	Savings	
1	2	3	8	9	10	11	12	13	14	15	16	17	20	21	22	23	24
44	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade (Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge	Sqm	753.06	105.08	79147.00	395.09	947.83	105.08	99577.00	51.27	105.08	5387.33	995.09	104964.33	19322.21	0.00	
45	Providing White washing with lime to give an even shade New work (three coats) with lime of approved quality, including cost of materials, labour complete as per specifications and as per directions of Engineer-in-Charge	Sqm	765.22	21.22	16082.00	595.38	595.38	21.22	12597.00	0.00	21.00	0.00	595.38	12597.00	0.00	3485.00	
46	Painting walls with Apcolite Smooth exterior paint of required shade New walls (Two coat applied @ 1.67 ltr/10 m◆ over and including priming coat of exterior primer applied @ 2.20 kg/10 m◆) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per	Sqm	765.22	150.43	115112.00	595.38	999.88	150.43	90165.00	0.00	150.43	0.00	595.38	90165.00	0.00	24947.00	
47	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade (Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge	Sqm	25.00	143.79	3594.00	18.00	18.00	143.79	2588.00	0.00	143.79	0.00	18.00	2588.00	0.00	1035.00	
48	Providing and fixing chromium plated brass handles of 100/125 mm with necessary screws etc. Complete	Nos	14.00	193.57	2710.00	14.00	14.00	193.57	2710.00	0.00	193.57	0.00	14.00	2710.00	0.00	0.00	
49	Providing and fixing ISI marked W.S. pressed butt hinges bright finished with necessary screws etc 125x65x3 mm	Nos	24.00	42.08	1009.00	0.00	0.00	42.08	0.00	0.00	42.08	0.00	0.00	0.00	0.00	1009.00	
50	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. Complete 250x10mm	Nos	8.00	372.76	2983.00	8.00	8.00	372.76	2983.00	0.00	372.76	0.00	8.00	2983.00	0.00	0.00	
51	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, ISI ISH low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with conceal of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required . W.C. pan with ISI marked white solid plastic seat and lid	Nos	6.00	5536.03	33217.00	6.00	6.00	5536.03	33217.00	0.00	5536.03	0.00	6.00	33217.00	0.00	0.00	
52	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required. Size 600x450x250 mm	Nos	4.00	5196.75	20547.00	4.00	4.00	5196.75	20547.00	0.00	5196.75	0.00	4.00	20547.00	0.00	0.00	
53	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x510 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	Nos	2.00	7331.23	14662.00	2.00	2.00	7331.23	14662.00	0.00	7331.23	0.00	2.00	14662.00	0.00	0.00	

	Description of Work	Unit	Qty as per Schedule			Total Qty Executed	Qty as per Website notice 125%			Qty as per Website notice 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty	Rates	Amount	Qty	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
54	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing all pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 25mm nominal dia pipes	Ft	45.00	412.50	18562.50	95.00	56.25	412.50	23203.00	38.75	412.50	15987.20	95.00	39190.20	20628.20	0.00	
55	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 25mm nominal dia pipes	m	60.00	526.50	31591.00	60.00	60.00	526.50	31591.00	0.00	526.50	0.00	60.00	31591.00	0.00	0.00	
56	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 32mm nominal dia pipes	m	30.00	616.99	18450.00	30.00	30.00	616.99	18450.00	0.00	616.99	0.00	30.00	18450.00	0.00	0.00	
57	Supplying PVC ringfire pipes conforming to IS 4985:2000 with latest amendments and conveying to work site, rolling and lowering into trenches, laying true to line and level and perfect fitting at joints, testing and commissioning, including making connecting at both destinations and cuts of pipes wherever necessary including painting of PVC pipes and specials (excluding cost of specials) with painting of approved type, with all labour with all lead & lift including encasing the pipe around to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per IS. (Contractor will make his own Arrangements for procuring water for testing) etc. for PVC pipes 110mm dia., 6 kg/sq.cm & class 3(Page No.134, Item No.13.7 of DWS(SR 08-2021-22)	M	45.00	396.18	17829.00	45.00	45.00	396.18	17829.00	0.00	396.18	0.00	45.00	17829.00	0.00	0.00	
58	Providing and fixing gun metal male -female valve of approved quality (screwed end)CV-II Page No.115, Item No.13.6.1.2 of PWD SR 2021-22)	Nos	6.00	611.67	3671.00	6.00	6.00	611.67	3671.00	0.00	611.67	0.00	6.00	3671.00	0.00	0.00	
59	Providing and fixing cast valve (brass) of approved quality high or low pressure, with plastic floats complete(CV-II Page No.135, Item No.13.9.1.2 of PWD SR 2021-22)	Each	4.00	388.20	1553.00	4.00	4.00	388.20	1553.00	0.00	388.20	0.00	4.00	1553.00	0.00	0.00	
60	Providing and fixing PTMT gilar cock of approved quality and class (I) mm nominal bore, 125 mm long bare flow, weighing not less than 120 gms(CV-II Page No.114, Item No.13.2.1.2 of PWD SR 2021-22)	Each	6.00	248.34	1481.00	6.00	6.00	248.34	1481.00	0.00	248.34	0.00	6.00	1861.00	0.00	0.00	
61	Screw trap 10 mm single piece moulded with length of 270 mm effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 35 mm minimum water seal weighing not less than 363 gms (CV-II Page No.139, Item No.14.17.2 of PWD SR 2021-22)	Each	6.00	268.89	1620.00	6.00	6.00	268.89	1620.00	0.00	268.89	0.00	6.00	1620.00	0.00	0.00	

Description of Work	Unit	Qty as per Schedule/B			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
		Qty.	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty.	Amount	Excess	Savings	
1	2	3	4	5	12	13	14	15	16	17	18	19	20	21	22	23
	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 1/4/20mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary.(3/20mm dia 2mm thick (Page No.1, Item No.1.2.1 of PWD Electrical SR2021-22)	m	100.00	61.34	6134.00	100.00	100.00	61.34	6134.00	0.00	61.34	0.00	100.00	6134.00	0.00	0.00	
63	Providing and fixing Steel work welded in built up sections/ trussed work, including cutting, welding, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets gates and similar works including cost of materials, labour, usage charges, wastage/wastages complete as per specifications and as per directions of the Engineer-in-Charge. (V-2 Page No.82, Item	Kg	462.00	147.11	67958.00	1405.25	577.50	147.11	84957.00	827.75	147.11	121771.52	1405.25	206728.51	138762.52	0.00	
64	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25/mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary.(25/mm dia 2 mm thick (Page No.1, Item No.1.3.1 of PWD Electrical SR 2021-22	m	100.00	70.39	7039.00	100.00	100.00	70.39	7039.00	0.00	70.39	0.00	100.00	7039.00	0.00	0.00	
65	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or I hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.19/20mm dia 2mm thick(Page No.1, Item No.1.3.1 of PWD Electrical SR	m	100.00	75.42	7542.00	100.00	100.00	75.42	7542.00	0.00	75.42	0.00	100.00	7542.00	0.00	0.00	
66	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2 mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or I hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.(25/mm dia 2 mm thick (Page No.1, Item No.1.3.1 of PWD Electrical SR	m	100.00	80.44	8044.00	100.00	100.00	80.44	8044.00	0.00	80.44	0.00	100.00	8044.00	0.00	0.00	
67	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 32mm dia 2.5mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or I hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.32mm dia 2.5 mm thick (Page No.1, Item No.1.3.3 of PWD Electrical SR	m	10.00	105.58	1056.00	100.00	12.50	105.58	1320.00	87.50	105.58	9238.44	100.00	10558.44	9502.44	0.00	
68	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS:694:1990 & conforming to GTP of Group A (Page No.9, Item No.1.1 of PWD Electrical SR 2021-22) 1.0 Sqm	m	200.00	18.10	3620.00	200.00	200.00	18.10	3620.00	0.00	18.10	0.00	200.00	3620.00	0.00	0.00	
69	1.5 Sqm	m	90.00	26.14	2353.00	100.00	100.00	26.14	2613.00	0.00	26.14	0.00	100.00	2613.00	260.00	0.00	
70	2.5 Sqm	m	170.00	40.22	6838.00	170.00	170.00	40.22	6838.00	0.00	40.22	0.00	170.00	6838.00	0.00	0.00	
71	4.0 Sqm	m	90.00	39.33	3540.00	90.00	90.00	39.33	3540.00	0.00	39.33	0.00	90.00	3540.00	0.00	0.00	
72	10.0 Sqm	m	40.00	157.87	6315.00	40.00	40.00	157.87	6315.00	0.00	157.87	0.00	40.00	6315.00	0.00	0.00	

Description of Work	Unit	Qty as per Schedule			Total Qty Executed	Qty. as per Actuals upto 15%			Qty. as per Actuals above 15%			Total		Difference		Remarks
		Qty	Rates	Amount		Qty.	Rates	Amount	Qty	Rates	Amount	Qty	Amount	Excess	Savings	
2	3	7	8	9	10	11	12	13	14	15	16	20	17	18	19	20
Point wiring using Copper wire without switch supplying and wiring adopting loop system in existing PVC conduit/casing casing using 1100V Grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2x1.5 sq.mm cable conforming to the CTP without switch, the other end of the wires shall be terminated with sufficient loose length to a wooden/PVC round block, complete for each outlet.(1/1.3) using class A materials (Page No.5, Item No.2.2 of PWD Electrical SR 2023-23) Short point up to 3mtrs from tapping point	Point	38.00	252.39	9007.00	25.00	25.00	252.39	6310.00	0.00	252.39	0.00	25.00	6310.00	0.00	2777.00	
Medium point above 3mtr up to 6mtrs from tapping point to seat let six switch (Page No.5, Item No.2.3.2 of PWD Electrical SR 2023-23)	Point	26.00	363.00	13969.00	5.00	5.00	363.00	1818.00	0.00	363.00	0.00	5.00	1814.00	0.00	11155.00	
Long point above 6mtr up to 10mtr from tapping point to seat let six switch (Page No.5, Item No.2.3.3 of PWD Electrical SR 2023-23)	Point	24.00	545.01	13080.00	20.00	20.00	545.01	10901.00	0.00	545.01	0.00	20.00	10901.00	0.00	2180.00	
Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials etc 'C' Type curve , indicator ON/OFF, energy screw 3 with short circuit breaking capacity of 10K and complete wiring as required conforming to IS:8828 6-32Amps DP (Page No.13, Item No.3.17 of PWD Electrical SR 2023-23) 6-32Amps DP	Each	15.00	525.90	7888.00	12.00	12.00	525.90	6311.00	0.00	525.90	0.00	12.00	6311.00	0.00	1578.00	
6-32 Amps DP	Each	15.00	1109.13	16637.00	18.00	18.00	1109.13	19965.00	0.00	1109.13	0.00	18.00	19965.00	3328.00	0.00	
40 Amps TPN	Each	8.00	2406.27	19251.00	8.00	8.00	2406.27	19251.00	0.00	2406.27	0.00	8.00	19251.00	0.00	0.00	
50-63 Amps SP	Each	8.00	738.07	5904.00	8.00	8.00	738.07	5904.00	0.00	738.07	0.00	8.00	5904.00	0.00	0.00	
Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure of Single Door, Group A (2Pairs SP &N (Page No.13, Item No.3.18.4 of PWD Electrical SR 2023-23)	Each	10.00	1599.82	15998.00	5.00	5.00	1599.82	8000.00	0.00	1599.82	0.00	5.00	8000.00	0.00	7998.00	
Supplying and fixing regular MCB distribution boards on wall/wood board/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with power coated painting etc., complete. Double door, 6 way TP &N Group (A). (Page No.13, Item No.3.18.12 of PWD Electrical SR 2023-23)	Each	5.00	3755.71	18779.00	5.00	5.00	3755.71	18779.00	0.00	3755.71	0.00	5.00	18779.00	0.00	0.00	
Supplying and fixing 32Amps security and energy saving DP switch with key tag suitable to operate on 230 Volts, 50Hz AC supply & completely wired on existing box (Page No.6, Item No. 3.1 of PWD Electrical SR 2023-23)	Each	5.00	751.14	3756.00	5.00	5.00	751.14	3756.00	0.00	751.14	0.00	5.00	3756.00	0.00	0.00	
Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be 6mtrs flush mounted after due groove cutting in brick/stone/C.C wall 1-2 Way (Page No.6, Item No.3.4.1 of PWD Electrical SR 2023-23)	Each	25.00	123.68	3093.00	25.00	25.00	123.68	3093.00	0.00	123.68	0.00	25.00	3093.00	0.00	0.00	
Supplying and fixing of 20/40 Watts heavy duty lower construction Ferromagnetic copper ballast for fluorescent tubes. Supplying and fixing of 20/40 Watts heavy duty lower construction Ferromagnetic copper ballast for fluorescent tubes, Class H insulated copper wire, vacuum impregnated high quality with Low loss silicon steel lamination operated on 240V,50Hz supply with ICC 50%(P) (Safety) & ICC 50%(P)(Performance), Operating voltage range from 180V to 260V, 50Hz AC power supply. (Page No.41, Item No.17.21 of PWD Electrical SR 2023-23)	Each	25.00	301.56	6034.00	20.00	20.00	301.56	6034.00	0.00	301.56	0.00	20.00	6034.00	0.00	0.00	
Supplying and fixing metal tin box with round hook (Page No.2, Item No.1.17 of PWD Electrical SR 2023-23)	Nos	12.00	163.90	1967.00	12.00	12.00	163.90	1967.00	0.00	163.90	0.00	12.00	1967.00	0.00	0.00	
Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 (Page No.5, Item No.3.8 of PWD Electrical SR 2023-23) 16Amps SP switch	Each	50.00	88.49	4425.00	50.00	50.00	88.49	4425.00	0.00	88.49	0.00	50.00	4425.00	0.00	0.00	
16Amps Heavy 5 pin socket	Each	20.00	162.90	3258.00	20.00	20.00	162.90	3258.00	0.00	162.90	0.00	20.00	3258.00	0.00	0.00	

No.	Description of Work	Unit	Qty as per Schedule			Total Qty Executed	Qty. as per Actuals upto 12%			Qty. as per Actuals above 12%			Total		Different		Remarks
			Qty.	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty.	Amount	Excess	Savings	
1	2	3	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
88	16Amps SP Switch	Each	10.00	250.38	2504.00	10.00	10.00	250.38	2504.00	0.00	250.38	0.00	10.00	2504.00	0.00	0.00	
89	32Amps Flush/protected Types DP switch	Each	10.00	377.08	3771.00	10.00	10.00	377.08	3771.00	0.00	377.08	0.00	10.00	3771.00	0.00	0.00	
90	Supplying and fixing superior quality modular switch mounting arrangement with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. (Page No.3, Item No. 3.1 of PWD Electrical SR 2021-22) 3 to 5 Module	Each	20.00	123.68	2474.00	20.00	20.00	123.68	2474.00	0.00	123.68	0.00	20.00	2474.00	0.00	0.00	
91	6Watt	Each	20.00	138.77	2776.00	20.00	20.00	138.77	2776.00	0.00	138.77	0.00	20.00	2776.00	0.00	0.00	
92	9Watt	Each	20.00	213.18	4264.00	20.00	20.00	213.18	4264.00	0.00	213.18	0.00	20.00	4264.00	0.00	0.00	
93	9Wtar	Each	24.00	251.39	6034.00	24.00	24.00	251.39	6034.00	0.00	251.39	0.00	24.00	6034.00	0.00	0.00	
94	10-12Watt	Each	16.00	326.80	5229.00	16.00	16.00	326.80	5229.00	0.00	326.80	0.00	16.00	5229.00	0.00	0.00	
95	15Wat	Each	4.00	355.96	1424.00	4.00	4.00	355.96	1424.00	0.00	355.96	0.00	4.00	1424.00	0.00	0.00	
96	Supplying and fixing superior quality modular switch mounting arrangement with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. (Page No.3, Item No. 3.1 of PWD Electrical SR 2021-22) 3 to 5 Module	Each	20.00	152.84	3057.00	20.00	20.00	152.84	3057.00	0.00	152.84	0.00	20.00	3057.00	0.00	0.00	
97	6Module	Each	20.00	175.97	3520.00	20.00	20.00	175.97	3520.00	0.00	175.97	0.00	20.00	3520.00	0.00	0.00	
98	9Module	Each	20.00	245.35	4906.00	20.00	20.00	245.35	4906.00	0.00	245.35	0.00	20.00	4906.00	0.00	0.00	
99	9Module	Each	24.00	303.67	7288.00	24.00	24.00	303.67	7288.00	0.00	303.67	0.00	24.00	7288.00	0.00	0.00	
100	12Module	Each	16.00	365.01	5841.00	16.00	16.00	365.01	5841.00	0.00	365.01	0.00	16.00	5841.00	0.00	0.00	
101	12Module	Each	4.00	405.27	1621.00	4.00	4.00	405.27	1621.00	0.00	405.27	0.00	4.00	1621.00	0.00	0.00	
102	Supplying ceiling fan complete with down rod, blades, electric, complete for operation on 230 Volts, 50 Cycles, Single phase AC supply conforming to IS:374:1979 and with double ball bearing system.(54/5 (56)" Sweep (1200mm) high speed)	Each	10.00	2182.03	21820.00	0.00	0.00	2182.03	0.00	0.00	2182.03	0.00	0.00	0.00	0.00	21821.00	
103	Supplying and fixing of Electronic Ballast suitable for T8 Lamp, supplying and fixing of Electronic Ballast suitable for T8 Lamp with housing made of fire-coated steel/PC, Operating voltage range from 180V to 265V, 50Hz AC power Supply (Make Fosc warm start with over voltage protection, inrush current protection, De-activated lamp protection & End of Lamp life protection with R= 0.9Ω & TC(pin C) = 65 degC, Operating voltage range from 180V to 265V, 50Hz AC power (Page No.40, Item No.12.22.1 of PWD Electrical SR 2021-22)	Each	10.00	729.02	7291.00	0.00	0.00	729.02	0.00	0.00	729.02	0.00	0.00	0.00	0.00	7291.00	
104	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / others / girders using 2(3/0.097)" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 14.7.1 On wall / ceiling / Rafter / Girders (Page No.49, Item No.13.7.1 of PWD Electrical SR 2021-22)	Each	30.00	119.66	3590.00	0.00	0.00	119.66	0.00	0.00	119.66	0.00	0.00	0.00	0.00	3590.00	

Description of Work	Unit	Qty as per Schedule			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
		Qty.	Rate	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty.	Amount	Excess	Savings	
2	3	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
105	Geophysical investigation at site for seeking borewells for supplying drinking water to the habitation either through the Hand Pump SWMS or PWS S.S. by vertical electrical sounding by resistivity survey (if geological formation, Geospherical investigation of existing ground water in the vicinity, its quality, quantity and accessibility of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personnel and labour required etc. NOTE: 1) Additional rate on item 104 is allowed for drilling in over burden and fixing casing pipes beyond 20 M (for fixing Casing pipes only) in : Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) a sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test. (R 15), (Rate is Cons No-104(A) BWSSB SR 2021-22	Test	1.00	5488.46	5487.00	1.00	1.00	5488.46	5487.00	0.00	5488.46	0.00	1.00	5487.00	0.00	0.00	
106	Boring of Borewell of 165mm dia clear casing upto hard formation in all strata including over burden upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars and cap etc.) complete (P 15), (Rate is BWSSB SR	m	50.00	320.77	16039.00	50.00	50.00	320.77	16039.00	0.00	320.77	0.00	50.00	16039.00	0.00	0.00	
107	50 to 100 m (Code No-DE103B)	m	50.00	402.62	20132.00	50.00	50.00	402.62	20132.00	0.00	402.62	0.00	50.00	20132.00	0.00	0.00	
108	100 to 150 m (Code No-DE103C)	m	50.00	428.06	21404.00	50.00	50.00	428.06	21404.00	0.00	428.06	0.00	50.00	21404.00	0.00	0.00	
109	150 to 200 m (Code No-DE103D)	m	50.00	496.64	24832.00	50.00	50.00	496.64	24832.00	0.00	496.64	0.00	50.00	24832.00	0.00	0.00	
110	200 to 250 m (Code No-DE103E)	m	50.00	582.91	29146.00	50.00	50.00	582.91	29146.00	0.00	582.91	0.00	50.00	29146.00	0.00	0.00	
111	250 to 300 m (Code No-DE103F)	m	50.00	617.20	30861.00	39.00	39.00	617.20	24071.00	0.00	617.20	0.00	39.00	24071.00	0.00	6790.00	
112	300 to 350 m (Code No-DE103G)	m	50.00	685.78	34290.00	0.00	0.00	685.78	0.00	0.00	685.78	0.00	0.00	0.00	0.00	34290.00	
113	Supply of ISI mark (Flange material bore plain and steel casing pipe grade of steel Fe 410 of weld thickness conforming to IS 4270-2001 and latest amendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m butt ends threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with collared ends all shall be commercially free from defects. The	Rmtr	60.00	2158.09	129286.00	70.00	70.00	2158.09	149667.00	0.00	2158.09	0.00	70.00	149667.00	11381.00	0.00	
114	Supply and delivery of galvanized mild steel tubes of ISI standard length heavy duty (C Class) as per IS 1239 (Part-1) 2000 with latest amendments with ISI Mark (one end fitted with heavy Duty collar and other end fitted with protective cover) 32 mm (F No 102, 1 No 32.1 BWSSB SR 2021-22)	Each	24.00	1373.60	80967.00	0.00	0.00	1373.60	0.00	0.00	1373.60	0.00	0.00	0.00	0.00	80967.00	
115	PVC pipe GD 250mm and 6 Kg/sqcm	Rmtr	6.00	1216.71	7301.00	6.00	6.00	1216.71	7301.00	0.00	1216.71	0.00	6.00	7301.00	0.00	0.00	
116	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with/tinline copper with low resistance conductor confirming to IS 8130:1984 and virgin grade PVC insulation and inner/outer sheathing extruded PVC sheathed suitable for working voltage upto 1100 V as per IS 694-2010, 3C x 6 mm2	Mtr	620.00	243.34	150871.00	460.00	460.00	243.34	111936.00	0.00	243.34	0.00	460.00	111936.00	0.00	38934.00	

	scription of Work	Unit	Qtty as per Schedule			Total Qty Executed	Qty. as per Actuals upto 125%			Qty as per Actuals above 125%			Total		Difference		Remarks
			Qty.	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty.	Amount	Excess	Savings	
	2	3	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
	welding supplying to work site, Submersible Pump Set of 5hhm dia suitable to bore well and confirming to IS 8034-2002 3Phase, 33 Bowl & impeller with Low volt motor as per specifications,as per necessary amendments and instructions of engineer incharge of work. 15.00 HP - 3.00 Hrs @ 268 m = 23 STG Outlet Dia - 2.00")	Nos	1.00	76606.27	76607.00	1.00	1.00	76606.27	76607.00	0.00	76606.27	0.00	1.00	76607.00	0.00	0.00	
	Earthing: Supplying and fixing and wiring earth electrode for grounding sockets in outlets and other equipments on the meter board in the pit. The pits should be filled up with mixed proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia. (P. W. No.154 / No. 45, BWSSB SR 2021-22)	job	1.00	4147.87	4148.00	1.00	1.00	4147.87	4148.00	0.00	4147.87	0.00	1.00	4148.00	0.00	0.00	
122	Supply and fixing polished wood board made of out teakhale (Green black plank on both sides of out bore then 3pieces) and fixing the same to the wall using tapered mild steel/wooden plugs screws 20" x 20" x 2.5" (P No. 10 No.5 & 6 Part-I SW/Civil/B SR 2021-22)	Each	1.00	316.75	317.00	1.00	1.00	316.75	317.00	0.00	316.75	0.00	1.00	317.00	0.00	0.00	
120	Supplying & fixing of Portable flow channel with nut and inserting wooden/panel using necessary nuts, bolts and washers. (CA 2 P No. 10 No.5 & 6 Part-I Civil/B SR 2021-22)	Each	1.00	374.06	375.00	1.00	1.00	374.06	375.00	0.00	374.06	0.00	1.00	375.00	0.00	0.00	
121	Supplying & Fixing miniature circuit breakers on existing/new distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cover with short circuit breaking capacity of 10K and complete wiring completed conforming to IEC 60898 10 kA 3 TPN	Each	1.00	2412.30	2413.00	1.00	1.00	2412.30	2413.00	0.00	2412.30	0.00	1.00	2413.00	0.00	0.00	
123	Earth work excavation by manual means for drains/canals, waste weir, shaft, approach channels, box trenches, foundation of bridges and such similar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, unwanted surface loosed and soils mainly dressed disposing off the excavated stuff on sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work.Loading and unloading of loose Boulder/Stone aggregates/ Sand/Kankar/Murrum	Cum	140.00	205.73	3723.00	10.80	10.80	205.73	2222.00	0.00	205.73	0.00	10.80	3223.00	0.00	34811.00	
122	Supplying and filling in plinth with sand under floors, foundation of bridges including watering, ramming, consolidating and required suitable	Cum	36.00	2407.98	86689.00	3.60	3.60	2407.98	8669.00	0.00	2407.98	0.00	3.60	8669.00	0.00	78019.00	
124	supplying PVC regular pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including making connecting at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (including cost of specials) with jointing of approved type, with all labour with all lead & lift including enclosing the pipe around to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per (a) (Contractor will make his own arrangements for procuring water for testing etc.)Class water tap, ring/screw & class 3 for	Mtr	400.00	168.30	67320.00	40.00	40.00	168.30	6772.00	0.00	168.30	0.00	40.00	6772.00	0.00	60548.00	
125	Refilling available earth around trenches/pockets, cables in layers not exceeding 20 cms in depth, consolidating each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m, including cost of all labour complete as per specification	Cum	122.00	135.02	16203.00	10.80	10.80	135.02	1459.00	0.00	135.02	0.00	10.80	1459.00	0.00	14744.00	

Sl. No.	Description of Work	Unit	Qty as per Schedule/B			Total Qty Executed	Qty. as per Actuals upto 13th			Qty. as per Actuals above 13th			Total		Difference		Remarks
			Qty.	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty.	Amount	Excess	Savings	
1	2	3	4	5	6	12	13	14	15	16	17	18	19	20	21	22	23
176	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate and in steel enclosure for use on 430/440 V 3 phase AC load or steel enclosure for use on 430/440 V 3 phase AC load in steel enclosure for use on 430/440 V 3 phase and wired after fixing in the existing wooden board for motor above 10 h.p. upto 20 HP.	Nos	1.00	6687.20	6688.00	1.00	1.00	6687.20	6688.00	0.00	6687.20	0.00	1.00	6688.00	0.00	0.00	
					167533695.00				172773805.00			5090173.18		177863177.18	21215689.18	10887219.00	
	EIRL																
E1	Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size VIR with necessary cable entry size with gland and lugs should be finished with thorough treatment with powder coated paint and finally finished with approved colour etc., complete and as per the directions of the Engineer-in-charge of the work.	Sq.cm								22000.00	0.18	8426.00	22000.00	8426.00	8426.00		
E2	Labour charges for erection of sandwich type panel board and meter boards with all necessary materials and labour.	Job								1.00	3493.17	3494.00	1.00	3494.00	3494.00		
E3	Digging of trench of 0.5m deep x 0.3m wide including the trench to the required ground level and consolidating etc., complete including road surfaces and as per the directions of	Mtr								25.00	407.23	10181.00	25.00	10181.00	10181.00		
E4	Earthing: Supplying and fixing and laying earth electrodes for providing neutrals IC masses and other equipments on the	Job								1.00	4147.63	4148.00	1.00	4148.00	4148.00		
E5	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm and as per the directions of the Engineer-in-charge of the work.	Each								1.00	1382.56	1383.00	1.00	1383.00	1383.00		
E6	Supply and delivery at site of brand new best make non-return valve as per IS 5312/1988 with ISI Mark and as per its	Each								1.00	1410.31	1411.00	1.00	1411.00	1411.00		
E7	Supplying, laying and jointing HDPE pipes of specified grade conforming to IS 4984-2016 with latest amendments and conveying to work site including loading and unloading at both destinations and rolling a lot lowering into trenches, laying true to line and jointing of risers and specials with electrofusion welding, giving hydraulic test as per relevant IS, with all lead and lifts including ensuring the pipe ensured to a depth of not less than 1.0 mtr. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle, tee, stub ends, flanges etc., valves, reducers etc complete (Contractor will make his own arrangements for procuring water for testing) etc. Note: Upto 110mm dia Coil shall be used For Grade PE80 PN10.0 63 mm Dia	Mtr								128.00	264.01	33271.00	128.00	33271.00	33271.00		
	Sub Total													177850472.18	21203703.18		
	Miscellaneous & Rounding off													9583271.82	9683222.82		
	Total				167533695.00									187533695.00	32887207.00	32887269.00	

Contractor

Assistant Engineer

04

Executive Engineer